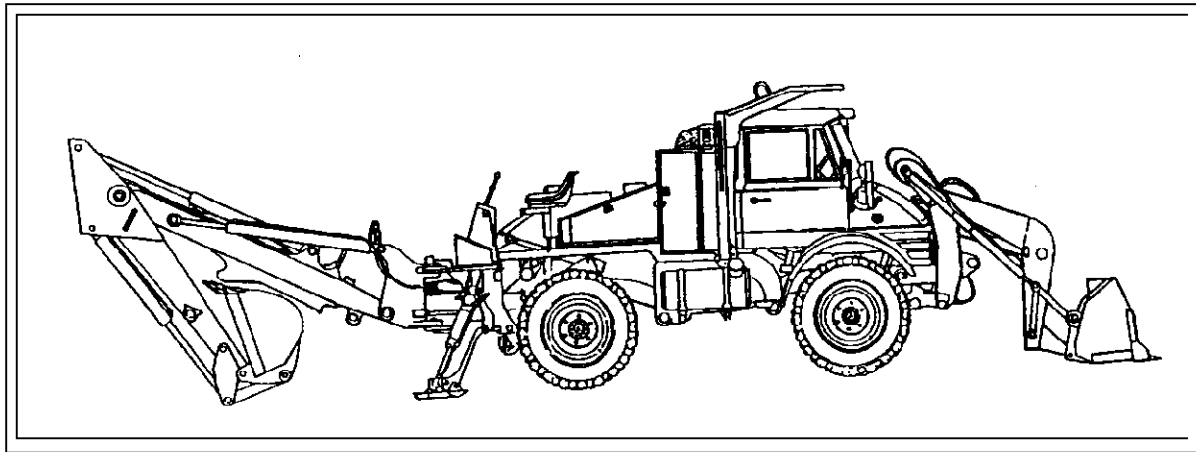


STATEMENT OF WORK
FOR
SMALL EMPLACEMENT EXCAVATOR
SEE TRACTOR
4X4 WHEELED



NSN 2420-01-160-2754

EFFECTIVE DATE 01 OCTOBER 2001

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STATEMENT OF WORK
SMALL EMPLACEMENT EXCAVATOR (SEE TRACTOR)
NSN 2420-01-160-2754
Inspect Repair Only As Necessary (IROAN)

1.0 SCOPE. This Statement of Work (SOW) establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the IROAN effort of the *Small Emplacement Excavator Tractor (SEE Tractor)*. This document contains requirements to restore the SEE Tractor to condition code "A." Condition code A is defined as serviceable/issuable without qualification. Equipment defined as such should be new, used, repaired or reconditioned material which is serviceable/issuable to all customers without limitation or restriction. This includes material with more than six months shelf life remaining. National Stock Number (NSN) 2420-01-160-2754 shall be known as the SEE Tractor throughout the rest of this SOW.

1.1 BACKGROUND. IROAN is defined as "the maintenance technique which determines the minimum repairs necessary to restore equipment components or assemblies, to prescribed standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement."

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirements.

2.1 MILITARY SPECIFICATION

MIL-C-81309	Corrosion Preventive Compounds, Water Displacing, Ultra-Thin Film
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2.2 MILITARY STANDARDS

MIL-STD-130	DOD Standard Practice for Identification Marking of U.S. Military Property
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MIL-STD-129	DOD Standard Practice for Military Marking
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MIL-STD-642	DOD Standard Practice for Identification Marking of Combat and Tactical Transport Vehicles
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2.3 OTHER GOVERNMENT DOCUMENTS AND PUBLICATIONS.

The issues of these documents cited below shall be used.

TM-4750-15/2	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment
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TM-5-2420-224-24P	Technical Manual Unit, Direct Support and General
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	Support Maintenance Repair Parts and Special Tools List.
TM-5-2420-224-20-1	Unit Maintenance Handout
TM-5-2420-224-10	Technical Operator's Manual
TM-5-2420-224-34	UL/DS/LGS Maintenance TM Reference Handout. SEPT 1997
SOMARPI 5-2420-224	Supplemental Operating, Maintenance and Repair Parts Instructions.
MI-07080D-25/1	Install Blackout Light Kit
ATPD 2241	Vehicles, Wheeled: Preparation for Shipment and Storage of.
DOD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	<i>Requisitioning of Contractor Furnished Materiel From the Federal Supply System</i>
<i>MCO P4400.82</i>	<i>Regulated/Controlled Item Management Manual</i>

MILITARY HANDBOOKS (FOR GUIDANCE)

<i>MIL-HDBK-61</i>	<i>Configuration Management Guidance</i>
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2.4 **INDUSTRY STANDARDS.**

ANSI/ISO/ASQC Q9002-1994,	<i>Quality Systems</i> - Model for Quality Assurance in Production, Installation, and Servicing.
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Industry Standards (For Guidance)

<i>ANSI/EIA-649</i>	<i>National Consensus Standard for Configuration Management</i>
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Copies of Military Specifications and Standards are available from the DOD Single Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. *Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Attn: Contracting Officer (Code 891) Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639-6761 or DSN 567- 6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 851-3, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.*

3.0 REQUIREMENTS

3.1 GENERAL TASKS. In fulfilling the specified requirements, the contractor shall:

- a. Provide materials, labor, facilities, missing parts, and repair parts necessary to inspect, diagnose, restore, and test the See Tractor. Upon completion of IROAN, repaired equipment shall be Condition Code "A".
- b. Provide all tools and test equipment required to test, inspect, and calibrate the See Tractor.
- c. In-process and final on-site testing must be witnessed by an MCLB (Code 837-2), Albany, representative.
- d. The contractor shall be responsible for all structural, electrical and mechanical requirements associated with the restoration of the See Tractor.

3.2 IROAN OBJECTIVE AND FUNCTIONS. After IROAN, the See Tractor, shall have the following minimum characteristics:

- a. Reliable as per system specifications.
- b. Maintainable as per system specifications.
- c. Serviceable (Condition Code "A").
- d. All vehicle systems and components shall operate as intended.

3.3. DETAILED TASKS. The following tasks describe the different phases for IROAN of the See Tractor.

Phase I	Pre-Induction
Phase II	IROAN
Phase III	Inspection, Testing and Acceptance
Phase IV	Packaging, Handling, Storage, and Transportation (PHS&T)

3.3.1 PHASE I-PRE-INDUCTION.

a. A pre-induction inspection analysis shall be performed for the SEE Tractor using the **contractor** facility's diagnosis, inspection and testing techniques to determine extent of work and parts required. These findings shall be annotated on the Pre- Induction Checklist (Appendix A) **and** shall be maintained and be made available upon request to the MCLB **Code 837-2 Albany**, representatives.

b. Test equipment shall be used to determine that assemblies and subassemblies meet prescribed reliability, performance, and work requirements. In cases when conformance to the SOW cannot be certified through existing inspection and testing procedures and by use of diagnostic equipment, the assembly shall be removed, disassembled, inspected, tested or repaired to the degree necessary to assure full conformance with this SOW.

c. Oil seal and gasket leakage. Evidence of lubricating or hydraulic oils passing through or around a seal is not a defect; however, consideration must be given to the fluid capacity in the item being checked/inspected. Inspection shall normally be performed during and immediately following an operational test, but not sufficient duration to allow the fluids to return to ambient temperature. The following shall be used as a guide in determining degree of oil loss:

(1) Class I - Seepage of fluid (indicated by wetness or discoloration) not great enough to form drops.

(2) Class II - Leakage of fluid great enough to form drops, but not enough to cause drops to fall from the item being checked/inspected.

(3) Class III - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

NOTE

A CLASS I OR II LEAK, EXCEPT FUEL SYSTEM AND BRAKE SYSTEM, IS AN ACCEPTABLE CONDITION AT ANY TIME AND DO NOT REQUIRE CORRECTIVE ACTION.

3.3.2 PHASE II - IROAN. IROAN shall be performed at *the contractor's* facility. Information recorded on the SOW Pre-Induction inspection sheets during pre-inspection phase shall be used as a guide by the contractor to achieve the mechanical baseline of production. After pre-induction tests and inspections have been completed, repair of the SEE TRACTOR shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist (Appendix A) during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair. Mandatory replacement parts *are* contained in TM-5-2420-224-24P.

The following efforts shall be performed as part of the IROAN:

DETAILED MECHANICAL WORK. SEE TRACTOR(s) received for IROAN shall be reworked in accordance with the following paragraphs. All discrepancies noted on the SOW Pre-Induction inspection sheet shall be repaired/replaced.

a. **HARDWARE**

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, and one-time use items, etc, in accordance with the IROAN. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

(4) Hardware used in this IROAN shall be in accordance with *TM-5-2420-224-24P*.

b. **ENGINE ASSEMBLY/TRANSMISSION**

(1) TEST PROCEDURES. After all pre-induction tests and inspection have been completed, the power pack shall be removed from the equipment, steam cleaned, and inspected for loose or missing items. Follow all warnings and procedures to assure you are working with safe and efficient methods and conditions.

The transmission shall be processed in accordance with paragraph 3.2.2 g. of this SOW.

- (a) Mounting Block, Cylinder Head
- (b) Crankshaft
- (c) Flywheel Assembly
- (d) Pistons and Connecting Rods
- (e) Cover, Valve
- (f) Engine Lubrication System
- (g) Manifold
- (h) Air Compressor

Test the following in accordance with TM-5-2420-224-34 to conform with inspection and testing procedures to assure full conformance with this SOW.

(2) PASS/FAIL. After the engine run test has been completed. The engine assembly shall meet or exceed the minimum specifications to be considered as having passed.

The above procedures for repair/replacement can be found in TM-5-2420-224-34.

c. **FUEL SYSTEM.**

(1) Test Procedures. *Test the following in accordance with* TM-5-2420-224-34 to conform with inspection and testing procedures to assure full conformance with this SOW.

Test all fuel injectors in accordance with TM-5-2420-224-34.

- (a) Inspect the fuel pump assembly for loose or broken items and housing cracks.
- (b) Inspect the fuel primer pump for leakage.
- (c) Inspect the air cleaner indicator for proper function.

(d) Inspect fuel tank and lines for rusting and leakage.

(e) Inspect ether cold starting system switch, cylinder valve, pressure switch, thermal close valve/bushing, and atomizer cylinder for proper function and cracked/leaking tubing. Inspect engine cold starting switch, wiring and preheater.

(f) Inspect accelerator pedal and linkage for binding and proper function.

(g) Inspect air cleaner assembly for corrosion, damage and leaking.

(2) PASS/FAIL. Repair/Replace injectors that are not functioning properly.

(a) Repair/Replace any fuel pump assembly if needed.

(b) Replace the fuel primer pump if leaking. Assure that the pump is secure and free of leaks.

(c) Replace the air indicator if not functioning properly.

(d) Repair/Replace any fuel tank and lines that are rusting and leaking.

(e) Repair/Replace **ether** cold starting system switch, cylinder valve, pressure switch, thermal close valve/bushing, and atomizer cylinder that does not function properly. Repair/Replace any cracked/leaking tubing. Repair/Replace engine cold starting system switch, wiring, and preheater that does not function properly.

(f) Repair/Replace the throttle linkage if binding. Replace all broken or bent accelerator pedals. Replace all broken and distorted springs.

(g) Repair/Replace any hose, tube, and clamp that is leaking, damaged, or stripped.

(h) Replace all fuel filters and air filters 100 percent.

The above procedures for repair/replacement can be found in TM-5-2420-224-34.

d. **HYDRAULIC SYSTEM.**

(1) TEST PROCEDURES. Hydraulic fluid test procedure. Connect the pressure gauge to the test port as per the service manual. The test ports are between the hydraulic pump and the system's main relief.

Test the **hydraulic system** in accordance with SOMARPI 5-2420-224 to conform with inspection and testing procedures to assure full conformance with this SOW.

The SEE Tractor has two hydraulic systems. The front hydraulic pump is belt driven and is rated at 8 GPM at 2000 RPM, and the rear hydraulic pump is PTO driven and is rated at 26 GPM at 2000 RPM. The hydraulic system consists of the following.

(a) Hydraulic and fluid system.

- (b) Hydraulic Pump, Front.
- (c) Hydraulic Pump, Rear.
- (d) Hydraulic Controls.
- (e) Strainers, Filter Lines and Fittings.
- (f) Hydraulic Cylinders.
- (g) Tank, Front Hydraulic.
- (h) Tank, Rear Hydraulic.
- (i) Hydraulic Oil Cooler.

(2) PASS/FAIL. Repair/Replace any of the above if fail in accordance with SOMARPI 5-2420-224. Tube lines that are pinched or *dented shall be replaced*. Replace hose if any of the following conditions exist.

- (a) Replace if any evidence of hydraulic oil leakage at the surface of the hose or its junction with the metal end couplings.
- (b) Replace if any blistering or abnormal deformation to the outer covering of the hose.
- (c) Replace if hydraulic oil leak at any threaded or clamped joint that cannot be eliminated by normal tightening.
- (d) Replace if evidence of excessive abrasion or scrubbing on the outer surface of hose or hoses.

The above procedures for repair/replacement can be found in TM-5-2420-224-20-1.

e. **COOLING SYSTEM.**

(1) TEST PROCEDURES. Inspect *the following in accordance* with SOMARPI 5-2420-224 to conform with inspection and testing procedures to assure full conformance with this SOW.

- (a) Check cooling system for leaks.
- (b) Check radiator cap.
- (c) Inspect thermostat and housing for leaks.
- (d) Inspect engine oil cooler for leaks.
- (e) Inspect coolant pump assembly for leaks.

- (f) Inspect fan blades for breaks, bends, and missing rivets.
- (g) Inspect water pump for leaks and cracks.
- (h) Inspect radiator for cracks and leaks.
- (i) Check water pump for proper operation.
- (j) *Inspect hose clamps for tightness.*

(2) PASS/FAIL. Replace coolant, coolant belts, radiator, and heater hoses. Replace anti-freeze protection. Replace any hose or the above equipment that fail test in accordance with TM-5-2420-224-20-1.

f. **AXLES**

(1) TEST PROCEDURES. Inspect the following in accordance with SOMARPI 5-2420-224 to insure full conformance with this SOW.

- (a) Differential Lock Lines
- (b) Front and Rear Axles
- (c) Housing, Beam, and Housing Covers
- (d) Housing Axle
- (e) Rear Differential Gears
- (f) Differential Case
- (g) Final Drive
- (h) Seals (outer, inner)

(2) PASS/FAIL. Repair the above equipment in accordance with TM-5-2420-224-34 to conform with inspection and testing procedures to assure full conformance with this SOW.

g. **TRANSMISSION**

(1) Inspect in accordance with SOMARPI 5-2420-224 to conform with inspection procedures to assure full conformance with this SOW.

- (a) Transmission Assembly and Associated Parts.
- (b) Power Take - Off.
- (c) Shifter Cover, Shifting Tongues, Forks, Pump and Filter.

- (d) Controls, Transmission.
- (e) Propeller Shaft, Front.
- (f) U - Joint Front and Rear, and Thrust Balls.

(2) Upon completion of *the inspection, it shall* meet or exceed the minimum specifications. In the event the transmission fails the inspection. It shall be repaired or replaced. The transmission oil, filter, and oil pan gasket shall be replaced.

Repair/Replace the transmission linkage assembly if it does not operate smoothly. Replace all broken cables. If any of the above is not *repairable submit a repairable item report per MCO P4400.82 to the appropriate item manager (Code 837-2) for action.*

h. CLUTCH ASSEMBLY

(1) TEST PROCEDURES. Inspect cover plate for rust corrosion, nicks, burrs, and deformation. Check cover plate for collapsed, broken or cracked springs. Inspect friction plate for rust, corrosion, nicks, burs, and deformation, no looseness allowed in rivets and linings. No distortion allowed in spline. Inspect bearing for nicks, burrs, looseness galling, and heat discoloration.

- (a) Inspect clutch lever actuating link rod assembly for binding and proper function.
- (b) Inspect clutch pedal return spring for proper operation.
- (c) Inspect clutch pedal free travel for proper operation.
- (d) Clutch Hydraulic Reservoir.

(2) PASS/FAIL. Repair/Replace cover plate assembly to ensure proper operation. Check SOMARPI 5-2420-224 for maximum warpage allowed on cover plate surface. Friction plate minimum wear limit thickness is found in TM-5-2420-224-34. Replace bearing that shows evidence of overheating, galling, or looseness.

- (a) Repair/Replace clutch lever actuating rod assembly if not operating properly.
- (b) Replace clutch pedal return spring if defective.
- (c) Adjust clutch pedal free travel as required.

The above procedures for repair/replacement can be found in TM-5-2420-224-34 and SOMARPI 5-2420-224.

i. BRAKE SYSTEM

The brake system is a dual circuit hydraulic disc with compressed air assistance. The system is four wheel, six caliper, with Automatic Load Balancing. The rear parking brake is automatically adjusted.

(1) INSPECTION AND TEST PROCEDURES

- (a) Inspect Brake Linkage, Hand Brake and pedal.
- (b) Inspect parking brake for proper functioning.
- (c) Inspect service brake.
- (d) Inspect all brake lines for cracks and leaks.
- (e) Inspect disc brake pads.
- (f) Inspect hydraulic brake system.
- (g) Inspect mechanical brake system.
- (h) Inspect air reservoir tank for leaks and rust.
- (i) Perform brake pump flow test.
- (j) Inspect Trailer brake connections and controls.
- (k) Inspect and test Automatic Load Balance.

NOTE

When the rear brake pads are replaced, it is necessary to make a basic adjustment to the parking brake. After which, the parking brake is self-adjusting.

(2) PASS/FAIL. Repair/Replace any or all of the above components that do not meet operational standards of TM-5-2420-224-34.

j. **TIRES, WHEELS**

(1) INSPECTION PROCEDURES. Inspect tire inflation. Inspect cupping, chunking, cuts, and cracks.

- (a) Inspect wheels for cracks, breaks, and damaged mounting holes.

(b) Wheels shall be free of cracks, breaks, and damaged mounting holes. Front end alignment and toe-in-adjustment shall meet the standards prescribed in SOMARPI 5-2420-224. All wheels that do not meet these requirements shall be replaced.

(2) PASS/FAIL. Each tire must have 4/32 inch or more of tread remaining and be in good serviceable condition. All tires on a vehicle shall be matched to provide proper performance

and approximately equal life. Tires shall not show evidence of cupping or chunking. Tires shall not have cuts or cracks greater than one inch in length, 1/8 inch wide. Tires shall not have cuts or breaks, regardless of length or width, which extend to the fabric. Rubber separation or bulges on tire side walls are not acceptable.

All tires that do not meet these requirements shall be replaced.

The above procedures for repair/replacement can be found in SOMARPI 5-2420-224.

k. **STEERING SECTION**

(1) TEST PROCEDURES. Inspect power steering pump, steer mode selector valve, control unit, emergency steer motor and pump, reservoir, and cap for leaks and proper function.

- (a) Inspect all power steering cylinder hoses for leaks.
- (b) Inspect steering gear box assembly.
- (c) Inspect all power steering tubing for leaks, cracks, kinks, or flat section.
- (d) Inspect Steering hydraulic tank.
- (e) Inspect steering wheel for cracks.
- (f) Perform a hydraulic oil cooler restriction test.
- (g) Inspect Steering hydraulic filter.
- (h) Inspect tie rod and rod end.
- (i) Perform steering crossover relief valve test.
- (j) Inspect Steering Knuckle.

NOTE

All steering cylinders shall be removed and new seal kits and springs installed 100 percent.

(2) PASS/FAIL. Repair/Replace the power steering pump reservoir, and cap if leaking and not functioning properly. Replace power steering fluid 100 percent.

No welding or straightening (hot or cold) shall be permitted on steering gear controls. Steering wheels with minor cracks 1/8 inch wide or less which do not extend to the steering wheel core may be repaired by filling with a non-shrinking epoxy and sanded smooth.

The above procedures for repair/replacement can be found in TM-5-2420-224-20-1.

1. **ELECTRICAL SYSTEM**

The Electrical System is a 24-volt charging system, the major circuits are:

- (1) Starting Circuit
- (2) Charging Circuit
- (3) Accessory Circuit

The master battery disconnect switch and three-position ignition switch are common components in all three circuits.

(1) TEST PROCEDURES. Inspect all wiring harnesses, battery cables for corrosion, bent or missing pins, and ripped or torn insulation and tie wraps. The following electrical systems should be tested/inspected.

- (a) Alternator
- (b) Regulator
- (c) Starting Motor
- (d) Instrument Panel
- (e) Fuse Holder/fuses
- (f) Lights
- (g) Sending Units
- (h) Horn
- (i) Batteries, Storage/Batteries
- (j) Chassis Wiring Harness
- (k) NATO Slave Receptacle
- (l) Trailer Connection

(2) PASS/FAIL. Repair/Replace all missing and bent pins. Repair of insulation less than four inches in length may be accomplished using electrical tape. Tears or rips in excess of four inches shall require installation of new conduit. Corrosion shall be removed from components. Upon removal of corrosion, if component does not function properly, replace component. Replace all damaged battery cables. Replace any missing or damaged tie wraps.

The above procedures for test/inspect repair or replacement can be found in TM-5-2420-224-20-1 and SOMARPI 5-2420-224.

m. **BODY, CAB HOOD AND HULL**

(1) TEST/INSPECTION PROCEDURES. Check side rails, cross members, front and rear springs, and under body supports for deteriorated bushings, broken bolts, cracks, broken welds, and rust. Check front and rear shock absorbers for leaks and loose or missing hardware. Remove all insulation from cab/floor and inspect for corrosion. Inspect the following.

- (a) Body, Cab, Hood and Hull.
- (b) Canopy, (FOPS).
- (c) Doors, Cab.
- (d) Fenders, Windows.
- (e) Upholstery and Seats.
- (f) Hose Reel Assembly.
- (g) Body, Chassis, and Hull Accessory Items.
- (h) Data Plate and Instruction Holder.
- (i) Inspect glass for breaks and cracks.
- (j) Inspect windshield wiper for proper function.
- (k) Inspect mirror bracket for security.

(2) PASS/FAIL. Repair/Replace the above items and dents that exceed 7/16 of an inch. Corrosion shall be removed from **components** in accordance with MIL-C-81309. Upon removal of corrosion, if component does not function properly, replace component. Painting requirement shall adhere to TM-4750-15/2

The above procedures for repair/replacement can be found in TM-5-2420-224-10.

n. **DATA PLATES AND DECALS.**

DATA PLATE. Each repaired See Tractor shall have an IROAN data plate affixed next to the existing data plate. The data plate shall meet the requirements of MIL-STD-130.

(1) Test procedures. Inspect vehicle for missing, damaged, and illegible data plates and decals.

(2) PASS/FAIL. Replace all data plates and decals that are missing and illegible. IROAN data plates shall be prepared by the contractor and contain the following information:

VEHICLE SERIAL NO _____
 REPAIRED IN ACCORDANCE WITH SOW-02-837-2-07080D-2/1
 CONTRACTOR _____
 FACILITY _____

DATE _____
VEHICLE ODOMETER OR HOUR READING AT TIME OF IROAN _____

NOTE

Odometers and hour meters on vehicles IROAN under provisions of this SOW shall not be turned back to zero.

RECORD JACKET: Be sure to record all major equipment or components serial numbers that are replaced in the record jacket of the See Tractor. (This includes engines, transmission, etc.).

3.3.3. PHASE III - INSPECTION, TESTING AND ACCEPTANCE.

a. Inspection, testing and acceptance of the See Tractor shall be conducted in accordance with SOMARPI 5-2420-224, TM-5-2420-224-34, and TM-5-2420-224-20-1.

b. The contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance test shall be held at the *contractor's facility*. MCLB (Code 837-2), Albany Georgia representatives shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts and components, etc., not required for the test.

c. The contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 837-2), Albany, Georgia representatives may require the contractor to report tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. Acceptance testing on all SEE TRACTORS repaired under the provisions of this SOW shall be accomplished in accordance with SOMARPI 5-2420-224, TM-5-2420-224-34, TM 5-2420-224-20-1, and provisions of this SOW.

e. Vehicle Markings. Registration numbers and other markings shall be applied in accordance with MIL-STD-642. Lifting and tie down attachments shall be identified with one-inch letters indicating "SLING POINT" or "TIE DOWN."

3.3.4 PHASE IV – PACKAGING, HANDLING, STORAGE AND TRANSPORTATION (PHS&T).

a. The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Items scheduled for long term storage shall be level "A" in accordance with ATPD 2241. Items being prepared for domestic shipment, immediate use, and/or shipment to overseas destinations with the exception of Maritime Prepositioned Forces (MPF) shall be preserved to level "B" Drive-on/Drive-off. Items being prepared for overseas shipment shall have a label affixed which reads "NOT FOR WEATHER DECK STOWAGE". Items scheduled for shipment to MPS shall be level B, MPS Modified Drive-way.

b. The terms Drive-on/Drive-off and MPF Modified Drive-Away are defined as follows:

(1) Drive-on/Drive-off: Batteries will be hot and disconnected from the vehicle electrical system. Terminals and leads shall be taped. Fuel tank shall **be ¼ full JP 5/8**. The air intake system, exhaust and brake systems, drive train and gauges are to be depreserved.

(2). MPF Modified Drive-away: Batteries shall be hot and connected to vehicle electrical system. Fuel tank shall be **filled ¾ full of JP5/8**. The air intake system, exhaust and brake system, drive train and gauges are to be depreserved. Fire extinguisher bracket and all seats shall be installed.

c. Marking shall be in accordance with MIL-STD-129.

d. The Marine Corps will provide the contractor with the shipping addresses for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment of the equipment to the pre-designated sites. The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

3.4 CONFIGURATION MANAGEMENT

3.4.1 CONFIGURATION STATUS ACCOUNTING (CSA)

a. The Contractor shall determine the application status of approved configuration changes by visual inspections to the extent possible. The government will identify the configuration changes to be inspected by furnishing a Configuration Checklist (Appendix C) to the Contractor. The Contractor shall use one checklist for each SEE TRACTOR to record the inspection findings along with other required data.

b. The Contractor shall record serial numbers of the assemblies listed on the Configuration Checklist. The Contractor shall record the information on the same form that was used to record the application status of configuration changes.

c. The following approved Modification **Instructions** (MIs) shall be applied during Phase II of the IROAN process. If MI is installed on vehicle(s) provided to the contractor for IROAN, annotating the Configuration Checklist (Appendix C) as such will suffice.

MI-07080D-25/1	Install Blackout Light Kit on the Tractor, Wheeled, 4 X 4, Small Emplacement Excavator
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3.4.2 CONFIGURATION CONTROL

The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

3.5 GOVERNMENT FURNISHED EQUIPMENT (GFE)/GOVERNMENT FURNISHED MATERIEL (GFM).

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

3.6. CONTRACTOR FURNISHED MATERIEL (CFM).

The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the contractor shall requisition through the DOD Supply System. DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DOD Supply System.

3.7 QUALITY ASSURANCE PROVISIONS

The Contractor shall provide and maintain a Quality System that meets or is equivalent to the requirements of ANSI/ISO/ASQC Q9002-1994, Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing. Inspection may be accomplished at any work location. Authorized MCLB (Code 837-2), Albany representatives shall be permitted to observe the work/task accomplishment or to conduct inspections at all reasonable hours. Acceptance tests shall be held in plant. Inspection by the MCLB (Code 837-2), Albany, representatives of all acceptance tests plans, materials and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet contract requirements which may be disclosed prior to final acceptance.

Noncompliance with procedures resulting in degraded quality of work may result in a stop work order requiring action for contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. It shall be the *contractor's* responsibility to ensure that the entire system meets the performance requirements. Inspection and test plan shall be utilized as guidelines whenever applicable and in accordance with this SOW.

Quality assurance operations performed by the contractor shall be subject to MCLB (Code 837-2), Albany representatives' verification at any time. MCLB (Code 837-2), Albany representatives' verification can include, but shall not be limited in any matter, to the following:

- a. Inspection of materials, products, assemblies, and documentation to assess compliance with quality standards.
- b. Surveillance of operations to determine that quality assurance, practices, methods, and procedures are being properly applied.

c. Inspections of deliverable products to assure compliance with all requirements of the SEE Tractor, this SOW, and applicable documents used herein.

3.8 ACCEPTANCE

The performance of the contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in process review and inspection during performance. Inspection may be accomplished in plant or at any work site or location, and MCLB (Code 837-2), Albany representatives shall be permitted to observe the work or to conduct inspection at all reasonable hours. Final inspection and acceptance testing shall be conducted at the contractor's facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

3.9 REJECTION

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB (Code 837-2), Albany representative. The contractor shall at no additional cost to, MCLB, Albany Georgia, provide the following:

a. Develop an approach for modification or correction of all deficiencies.

b. On approval of a documented approach, the contractor shall correct the deficiencies and repeat verification until acceptable compliance with acceptance test procedures is demonstrated.

4.0 REPORTS *All reports deliverables shall be submitted in hard copy to Commander (Code 837-2), Marine Corps Logistics Bases, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, unless directed otherwise in a Contract Data Requirements List.*

4.1 Pre-induction Checklist. The contractor shall complete the pre-induction inspection checklist (Appendix A) for each SEE Tractor repaired. These documents shall be available during final acceptance testing.

4.2 Final Road Test Checklist. The contractor shall provide one copy per vehicle, of the final road test results (Appendix B) performed on SEE Tractor. Also provide a copy of the pre-induction checklist. These sheets must be available for review during the final acceptance testing and shall be sent to MCLB Albany Code 837-2 upon acceptance of vehicle.

4.3 Configuration Checklist. The Contractor shall complete the Configuration Checklist (Appendix C) for each SEE TRACTOR IROANed. This document shall be available during final acceptance testing. One copy of each document shall be provided to the Weapon System Manager (Code 837-2) and/or their representative(s) after final acceptance of the SEE TRACTOR, or upon request.

**PRE-INDUCTION CHECKLISTS
FOR THE
SEE TRACTOR**

DATE:**REFERENCES:
ID 07080D**

U.S. M.C. NO.	MILES
----------------------	--------------

JOB ORDER NO.	HOURS
----------------------	--------------

PRODUCTION NO.	SERIAL NO.
-----------------------	-------------------

ENGINE NO.

TRANSMISSION NO.

INSPECTORS' NAME	BADGE NUMBER	SHIP NUMBER
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=====	=====	=====
=====	=====	=====

NOTE: The following inspection sheets are divided into columns. The inspector will place a check in the box which best describes the condition of the item being inspected, for those items that cannot be inspected for any reason the inspector will make an appropriate annotation in the remarks column. If the inspector finds a defect that could cause injury to the operator or damage to the end item, testing will cease until the defect is corrected or the decision is made to induct the SEE TRACTOR into the shop.

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=====
=====

PRE-INDUCTION CHECKLISTS

1. Monitor Indicator And Gauge Checks (Engine Off)

OK	NOT OK	COMMENTS REPAIR/REPLACE
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Key Switch Check	<input type="checkbox"/>	<input type="checkbox"/>	
Bulb Check Circuit Check	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel Gauge Check	<input type="checkbox"/>	<input type="checkbox"/>	
Transmission Temperature Gauge Check	<input type="checkbox"/>	<input type="checkbox"/>	
Hour Meter Check	<input type="checkbox"/>	<input type="checkbox"/>	

2. Transmission, Assembly and Associated Parts.

Transmission Power Take-Off.	<input type="checkbox"/>	<input type="checkbox"/>	
Shifter Cover, Shifting Tongues, Forks, Pump and Filter.	<input type="checkbox"/>	<input type="checkbox"/>	
Control Linkage Check.	<input type="checkbox"/>	<input type="checkbox"/>	
Valve, Selector, and All Wheel Drive. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regulator, Pressure, All Wheel Drive.	<input type="checkbox"/>	<input type="checkbox"/>	
Check Transmission for cracks, Leaks, Damage housing.	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinder, Control, All Wheel Drive.	<input type="checkbox"/>	<input type="checkbox"/>	

3. Propeller Shaft.

Propeller Shaft, Front.	<input type="checkbox"/>	<input type="checkbox"/>	
U-Joint, Front Propeller Shaft, Rear.	<input type="checkbox"/>	<input type="checkbox"/>	
Thrust Balls, Front and Rear.	<input type="checkbox"/>	<input type="checkbox"/>	

4. Front Axle

Front Axle Assembly (complete).	<input type="checkbox"/>	<input type="checkbox"/>	
Differential, Lock Piston.	<input type="checkbox"/>	<input type="checkbox"/>	
Gear, Front Differential Ring and Pinion.	<input type="checkbox"/>	<input type="checkbox"/>	
Case, Differential.	<input type="checkbox"/>	<input type="checkbox"/>	
Gear, Driving and Driven Wheel.	<input type="checkbox"/>	<input type="checkbox"/>	
Seals, Final Drive (outer).	<input type="checkbox"/>	<input type="checkbox"/>	
Seals, Final Drive (inner).	<input type="checkbox"/>	<input type="checkbox"/>	

OK	NOT OK	COMMENTS REPAIR/REPLACE
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4. Rear Axle.

Rear Axle Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	
Differential Lock Piston seal.	<input type="checkbox"/>	<input type="checkbox"/>	
Housing, Beam, and Housing Covers.	<input type="checkbox"/>	<input type="checkbox"/>	
Housing Axle.	<input type="checkbox"/>	<input type="checkbox"/>	
Rear Differential Gears.	<input type="checkbox"/>	<input type="checkbox"/>	
Differential Case.	<input type="checkbox"/>	<input type="checkbox"/>	
Final Drive.	<input type="checkbox"/>	<input type="checkbox"/>	
Gear, Hub, Driving/Driven Seals (inner)	<input type="checkbox"/>	<input type="checkbox"/>	
Seals (outer).	<input type="checkbox"/>	<input type="checkbox"/>	

5. Brakes.

Hand Brake.	<input type="checkbox"/>	<input type="checkbox"/>	
Parking Brake Controls.	<input type="checkbox"/>	<input type="checkbox"/>	
Rotors, Brakes.	<input type="checkbox"/>	<input type="checkbox"/>	
Disc Brake Pads.	<input type="checkbox"/>	<input type="checkbox"/>	
Brake Calipers Hydraulic.	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Brake System.	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinder, Master.	<input type="checkbox"/>	<input type="checkbox"/>	
Lines and Fittings.	<input type="checkbox"/>	<input type="checkbox"/>	
Regulator, Brake Pressure (ALB).	<input type="checkbox"/>	<input type="checkbox"/>	
Reservoir, Brake.	<input type="checkbox"/>	<input type="checkbox"/>	
Mechanical Brake System.	<input type="checkbox"/>	<input type="checkbox"/>	
Brake Pedal.	<input type="checkbox"/>	<input type="checkbox"/>	
Air Brake System.	<input type="checkbox"/>	<input type="checkbox"/>	
Air Reservoir Tank.	<input type="checkbox"/>	<input type="checkbox"/>	
Booster, Brake.	<input type="checkbox"/>	<input type="checkbox"/>	
Reservoir, Anti-freeze.	<input type="checkbox"/>	<input type="checkbox"/>	
Device, Anti-freeze.	<input type="checkbox"/>	<input type="checkbox"/>	
Trailer Brake Connection and Controls.	<input type="checkbox"/>	<input type="checkbox"/>	
Relay Valve.	<input type="checkbox"/>	<input type="checkbox"/>	
Lines and Fittings	<input type="checkbox"/>	<input type="checkbox"/>	

6. Steering.

Steering Assembly:			
Tie Rod and Rod End	<input type="checkbox"/>	<input type="checkbox"/>	
Wheel, Steering	<input type="checkbox"/>	<input type="checkbox"/>	

OK	NOT OK	COMMENTS
		REPAIR/REPLACE

Drag Links.	<input type="checkbox"/>	<input type="checkbox"/>	
Pitman Arm.	<input type="checkbox"/>	<input type="checkbox"/>	

Bearing, Steering Upper Shaft.	<input type="checkbox"/>	<input type="checkbox"/>	
Steering Gear Box Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	
Power Steering Pump.	<input type="checkbox"/>	<input type="checkbox"/>	
Hoses, Lines and Fittings.	<input type="checkbox"/>	<input type="checkbox"/>	
Steering Hydraulic Filter.	<input type="checkbox"/>	<input type="checkbox"/>	

7. Frames, Towing Attachments, and Draw-Bars.

Frame, Support and Bushing.	<input type="checkbox"/>	<input type="checkbox"/>	
Crossmember, Rear.	<input type="checkbox"/>	<input type="checkbox"/>	
Front Loader Mounting Bracket.	<input type="checkbox"/>	<input type="checkbox"/>	
Platforms, Rear.	<input type="checkbox"/>	<input type="checkbox"/>	
Pintle Hook.	<input type="checkbox"/>	<input type="checkbox"/>	
Spare Tier Mount.	<input type="checkbox"/>	<input type="checkbox"/>	

8. Spring and Shock Absorbers.

Springs, Front and Rear.	<input type="checkbox"/>	<input type="checkbox"/>	
Shock Absorbers, Front and Rear.	<input type="checkbox"/>	<input type="checkbox"/>	
Torsion Bars and Control Arms.	<input type="checkbox"/>	<input type="checkbox"/>	

9. Body, Cab, Hood and Hull.

Body, Cab, Hood and Hull Guard, Front.	<input type="checkbox"/>	<input type="checkbox"/>	
Canopy (FOPS) Falling Object.	<input type="checkbox"/>	<input type="checkbox"/>	
Protection, Roll-Over (ROPS).	<input type="checkbox"/>	<input type="checkbox"/>	
Hood, Outside.	<input type="checkbox"/>	<input type="checkbox"/>	
Engine Compartment Cover Inside Cab.	<input type="checkbox"/>	<input type="checkbox"/>	
Doors, Cab.	<input type="checkbox"/>	<input type="checkbox"/>	
Fenders, Windows.	<input type="checkbox"/>	<input type="checkbox"/>	
Windshield.	<input type="checkbox"/>	<input type="checkbox"/>	
Mud Flaps Supports.	<input type="checkbox"/>	<input type="checkbox"/>	
Cab Shock Absorbers.	<input type="checkbox"/>	<input type="checkbox"/>	
Cab Tilt Device.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Subframe Grating.	<input type="checkbox"/>	<input type="checkbox"/>	
Upholstery, Seats and Carpets.	<input type="checkbox"/>	<input type="checkbox"/>	
Seat, Operator.	<input type="checkbox"/>	<input type="checkbox"/>	
Seat, Backhoe.	<input type="checkbox"/>	<input type="checkbox"/>	

OK NOT COMMENTS
OK REPAIR/REPLACE

Framework, Operator Seat.	<input type="checkbox"/>	<input type="checkbox"/>	
Seat, Passenger.	<input type="checkbox"/>	<input type="checkbox"/>	
Framework, Passenger Seat.	<input type="checkbox"/>	<input type="checkbox"/>	
Belts, Seat.	<input type="checkbox"/>	<input type="checkbox"/>	

Liners, Floor.	<input type="checkbox"/>	<input type="checkbox"/>	
Liner, Roof.	<input type="checkbox"/>	<input type="checkbox"/>	
Visor, Sun.	<input type="checkbox"/>	<input type="checkbox"/>	
Hose Reel Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Tool Box, Chassis.	<input type="checkbox"/>	<input type="checkbox"/>	

10. Body, Chassis, and Hull Accessory Items.

Mirrors.	<input type="checkbox"/>	<input type="checkbox"/>	
Wiper Motor.	<input type="checkbox"/>	<input type="checkbox"/>	
Pump, Windshield Washer.	<input type="checkbox"/>	<input type="checkbox"/>	
Defroster and Air Tubes.	<input type="checkbox"/>	<input type="checkbox"/>	
Heater, Cab Water.	<input type="checkbox"/>	<input type="checkbox"/>	

11. Hydraulic and Fluid System.

Hydraulic Pump, Rear.	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Pump, Front.	<input type="checkbox"/>	<input type="checkbox"/>	
Belt, Front Hydraulic Pump.	<input type="checkbox"/>	<input type="checkbox"/>	
Valves, Relief, Hydraulic, Front Loader.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe/Crane Control Valves Tilt Lock.	<input type="checkbox"/>	<input type="checkbox"/>	
Control Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	
Loader Relief Valve.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Relief Valve, Boom, Dipper, Bucket, Swing.	<input type="checkbox"/>	<input type="checkbox"/>	
Loader/Forklift Control Valve (main relief).	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Main Relief Valve.	<input type="checkbox"/>	<input type="checkbox"/>	
Stabilizer Control Valve.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Flow Divider Valve.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Controls and Linkage.	<input type="checkbox"/>	<input type="checkbox"/>	
Loader/Forklift Controls and Linkage.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Controls and Linkage.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Mast Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Carriage Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	

OK **NOT OK** **COMMENTS**
OK **REPAIR/REPLACE**

Forklift Rotator Assembly.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Lift Chains.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Forks.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Travel Lock.	<input type="checkbox"/>	<input type="checkbox"/>	
Strainers, Filter Lines and Fittings.	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Tank.	<input type="checkbox"/>	<input type="checkbox"/>	

Filters.	<input type="checkbox"/>	<input type="checkbox"/>	
Hoses, Fittings and Lines.	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Loader Boom Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Boom Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Swing Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Bucket Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Dipper Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe Stabilizer Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe/Crane Tilt Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe/Crane Latch Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Backhoe latch.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Tilt Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Rotator Cylinder.	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift Cylinder	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Extension Cylinder, External Boom End.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Cylinder, Main Boom Lift.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Cylinder, Mast Locking.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Cylinder Folding.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Cylinder, Outriggers Power-Out Horizontal.	<input type="checkbox"/>	<input type="checkbox"/>	
Crane Cylinder, Outriggers Power-Down Vertical.	<input type="checkbox"/>	<input type="checkbox"/>	
Tank, Front Hydraulic (11 gal).	<input type="checkbox"/>	<input type="checkbox"/>	
Tank, Rear Hydraulic (21 gal).	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Oil Cooler.	<input type="checkbox"/>	<input type="checkbox"/>	

11. Gages (non electrical).

Speedometer.	<input type="checkbox"/>	<input type="checkbox"/>	
Sight Gages, hydraulic Tanks.	<input type="checkbox"/>	<input type="checkbox"/>	
Inclinometer.	<input type="checkbox"/>	<input type="checkbox"/>	

OK NOT COMMENTS
OK REPAIR/REPLACE

Hour meter.	<input type="checkbox"/>	<input type="checkbox"/>	
Tires.	<input type="checkbox"/>	<input type="checkbox"/>	

FINAL ROAD TEST CHECK LIST
SEE TRACTOR

All safety checks must be satisfactory completed prior to road test. If necessary, before performing tests and checks, wipe down components where grease, oil or dirt could possibly form.

The following items shall be checked during the vehicle static test with the vehicle operating.

CHECK THE FOLLOWING GAUGES FOR CORRECT READINGS	S A T F Y	H I S S I N G	S E R V I C E <input type="checkbox"/>	A D J U S T <input type="checkbox"/>	R E P A I R <input type="checkbox"/>	R E P A I R <input type="checkbox"/>	M O D I F Y	REMARKS
a. Tachometer reading at idle								
b. Engine oil pressure, minimum of psi at idle								
c. Air cleaner restriction indicator								
d. Alternator warning light								
e. Voltmeter								
f. Fuel gauge register equivalent to tank level								
g. Engine coolant (after road test)								
h. Dual brake pressure gage								
2. CAB CONTROLS (can be done on road test)								
a. Windshield washer								
b. Windshield wipers left and right.								
c. Heater/defroster fan.								
d. Heater ducts for air transfer case								
e. Horn for proper operation								

	S A T F Y <input type="checkbox"/>	H I S S I N G <input type="checkbox"/>	S E R V I C E <input type="checkbox"/>	A D J U S T <input type="checkbox"/>	R E P L A C E <input type="checkbox"/>	R E P A I R <input type="checkbox"/>	M O D I F Y <input type="checkbox"/>	REMARKS
3. BRAKE OPERATION (does it pull or stall when applied on quick stop)								
a. Park brake holds.								
b. Park brake release, operates properly.								
c. Service brakes operate properly								
4. ACCELERATOR								
a. Accelerates smoothly.								
b. Doesn't stick or bind								
5. STEERING								
a. Operates smoothly								
b. Doesn't wander or pull.								
6. LIGHTS (operational)								
a. Dash panel								
b. Shift selector								
c. Headlights High and low beam.								
d. Clearance side marker lights.								
7. WINDSHIELD WIPERS.								
a. Left wiper								
b. Right wiper								
8. TURN SIGNALS								
a. Left signal.								
b. Right signal.								

CONFIGURATION INSPECTION CHECKLIST**Tractor, Small Emplacement Excavator****VEHICLE:**

Marine Corps Registration Number _____.

OEM Model Number _____.

Vehicle Hours at Pre-Induction _____.

VEHICLE ENGINE:

Original Engine Serial Number _____.

Engine Required Replacement: YES _____. NO _____.

Replacement Engine Serial Number _____.

VEHICLE TRANSMISSION:

Original Transmission Serial Number _____.

Transmission Required Replacement: YES _____. NO _____.

Replacement Transmission Serial Number _____.

APPROVED CONFIGURATION CHANGES:

Approved Waivers/Deviations applied during IROAN:

Waivers: _____

Deviations: _____

Modification Instructions:

MI-07080D-25/1; Applied Prior to IROAN _____, During IROAN _____

(1 Data Item)

OMB No. 1704-0188

The Public reporting burden for this collection of information is authorized to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.

[illegible]18. ESTIMATED
TOTAL PRICE